

July 22, 2009

STORMTECH, LLC
DAVID J MAILHOT
20 BEAVER RD STE 104
WETHERSFIELD CT 06190

Re: Description: STORMWATER DETENTION AND/OR INFILTRATION SYSTEM, ALTERNATE PLBG SYS
Manufacturer: STORMTECH, LLC
Product Name: STORMTECH UNDERGROUND STORMWATER CHAMBERS/INFILTRATION ROW
Model Number(s): **STORMTECH MC-3500 CHAMBER, MC-3500 END CAP, MC-3500 INFILTRATOR ROW**
injection-molded, polypropylene resin, subsurface structural chambers for
storing/detaining/infiltrating stormwater below grade
[90 IN. L X 75 IN. W X 45 IN. H; STORAGE PER UNIT: 110.0 CU FT/CHAMBER; 168.8
CU FT INSTALLED WITH MIN. 6 IN. STONE ABOVE, BELOW AND SIDES/BETWEEN
CHAMBERS; STORAGE FOR END CAP: 15.6 CU FT/CHAMBER; 41.6 CU FT INSTALLED
WITH MIN. 6 IN. STONE ABOVE, BELOW AND SIDES]
Product File No: 20090162

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of July 2014.**

This approval is contingent upon compliance with the following stipulation(s):

- This product is approved for the following uses:
 - Stormwater and clearwater subsurface detention system,
 - Stormwater and clearwater subsurface infiltration system, or
 - Stormwater and clearwater subsurface detention/infiltration system
- When this product is installed as a subsurface detention/infiltration system or an infiltration system, the design and installation must be in accordance with the manufacturer's printed Design Manual (S070104HP-5) and Installation Instructions (S081203R-6), ch. Comm 82 and its Plan approval under s. Comm 82.20. When there is a conflict between manufacturer's installation instructions and plan approval or product approval stipulations, the plan approval or product approval stipulations will take precedence.
- When this product is installed as a subsurface detention system, the installation must be in accordance with the manufacturer's printed Design Manual (S070104HP-5), Installation Instructions (S081203R-6), liner instructions (S140404-0) and Tech Sheet #2 (rev. 9/9/04), ch. Comm 82, plan approval under s. Comm 82.20 and product approval stipulations. When there is a conflict between manufacturer's installation instructions and plan approval or product approval stipulations, the plan approval or product approval stipulations will take precedence.
- The installation of water proof membranes must be either PVC or linear low density polyethylene (LLDPE) material having a minimum 30 mil thickness with all seams sealed. PVC membrane seams must be sealed using solvent cement. LLDPE membrane seams must be sealed using thermal welding.

- Inspection and maintenance of this product must be performed at intervals specified by the manufacturer (S070104HP-5) or in accordance plan approval or s. Comm 82.21, whichever is more restrictive.
- The review undertaken by Commerce staff does not include review and/or approval of this submittal as meeting DNR specifications for ch. NR 151.
- This product may be installed without a water proof membrane under the following conditions:
 1. The installation is for a subsurface detention system;
 2. The soils on which that detention system is placed have a maximum soil application rate of 0.2 gallons/square foot/day based upon morphological soil evaluation as listed in Comm Table 83.44-2 under the column for BOD5 and TSS > 30 mg/L; and
 3. A geotextile fabric that meets the chamber manufactures specifications is place on the bottom of the product is required.
- This product must be permanently labeled identifying the manufacturer and model number (StormTech MC-3500).
- When this product is installed as a subsurface detention/infiltration system or an infiltration system, the design and installation must be in accordance with the manufacturer's printed STORMTECH ISOLATOR ROW APPLICATION, AUGUST 2008, ch. Comm 82 and its Plan approval under s. Comm 82.20. When there is a conflict between manufacturer's installation instructions and plan approval or product approval stipulations, the plan approval or product approval stipulations will take precedence.
- **Additional information is included as attachment(s) to this letter; see attachment A and B.**

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Jean M. MacCubbin, CST
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Attachments